Table 5: Protease

	MAb ID	HXB2 Location	Author's Location	Sequence	Neutral- izing	Immunogen	Species (Isotype)		
162	1696 Vaccine:	Protease(1–7) Vector/type: prot	Pro(1–7 BH10) tein HIV component	PQIYLWQ :: Protease		Vaccine	murine(IgG)		
	•	Ab type: N-term References: [Lescar (1999)] • 1696: MAb binds to HIV-1 and HIV-2, putative epitopes are PQIYLWQ and PQFSLWK respectively – Pro1 is critical, QIYL residues 2–8 do not compete without it – MAb disrupts catalytic activity – crystal structure of Fab at 3 A resolution reveals a cavity lined by acidic and hydrophobic residues – the binding region is located within the region required for dimerization at Fab structure could serve as a basis for drug design targeting this region [Lescar (1999)]							
163	10E7	Protease(36–46)	Pro(38-45 HXB2)	MSLPGRWKPKM	no	Vaccine	hamster(IgG)		
	Vaccine:	Vector/type: reco	ombinant protein HI	V component: Protease					
	•		, , =	ase in Armenian hamster (but o [Croix (1993)]	only weakly reactive in	people, see: [Bjorlin	ng1992]) – peptide		
164	F11.2.32	Protease(36–46)	Pro(36-46 BH10)	MSLPGRWKPKM		Vaccine	murine(IgG1 κ)		
	Vaccine:	Vector/type: reco	ombinant protein Str	rain: BH10 HIV compone	ent: Protease				
		resolution – bour distort protein str	ng leads to significant in nd peptide shows no str ructure [Lescar (1997)]	Lescar (1996), Lescar (1997), nhibition in proteolytic activit uctural similarity to the correflap region of the protein, imp	y – crystal structure of sponding segment in n	ative protease sugge	sting binding may		
165	13E1	Protease(38–45)	Pro(38-45 HXB2)	LPGRWKPK	no	Vaccine	hamster(IgG)		
	Vaccine:	Vector/type: reco	ombinant protein HI	V component: Protease					
	•	References: [Cross 13E1: LPGRWK	, , , -	tiope – binds to MSLPGRWK	IPKM with sightly high	her affinity [Croix (19	993)]		
166	8B11	Protease(38–45)	Pro(38-45 HXB2)	LPGRWKPK	no	Vaccine	hamster(IgG)		
	Vaccine:	Vector/type: reco	ombinant protein H	V component: Protease					
	•	References: [Cre 8B11: LPGRWK	, , , -	otiope – binds to MSLPGRWK	XPKM with sightly hig	her affinity [Croix (1)	993)]		

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167 8C10	Protease(38–45)	Pro(38-45 HXB2)	LPGRWKPK	no Vaccine	hamster(IgG)					
Vaccine:	Vector/type: recom	binant protein HIV co	omponent: Protease							
	References: [Croix (1993)] • 8C10: LPGRWKPK is the core of the eptiope – binds to MSLPGRWKPKM with sightly higher affinity [Croix (1993)]									
168 8G5	Protease(38–45)	Pro(38-45 HXB2)	LPGRWKPK	no Vaccine	hamster(IgG)					
Vaccine:	Vector/type: recombinant protein HIV component: Protease									
References: [Croix (1993)] • 8G5: LPGRWKPK is the core of the eptiope – binds to MSLPGRWKPKM with sightly higher affinity [Croix (1993)]										